

Docket Number: 086166-0307638

PATENT APPLICATION

Client Reference: RP-00601-US3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

JOHANN HOLZLEITNER, et al.

Group Art Unit: TBA

Application No.: NEW

Examiner: TBA

Filed: February 9, 2004

Confirmation No.: TBA

For: Plasma Coating for Cylinder Liner and Method for Applying the Same

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

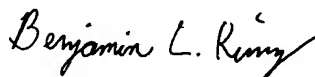
Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

A concise explanation of the relevance of the non-English language reference(s) appears in the Appendix attached hereto.

English-language Abstracts of the non-English language references are attached hereto.

Respectfully Submitted,



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Date: February 9, 2004

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## APPENDIX

### Concise Explanation

**WO 00/37789** - describes how the invention relates to a cylinder crankcase, especially designed for an internal combustion engine, comprising at least one cylinder bore that receives a piston. According to the invention, the cylinder bore (14) has an inlet bevel (78) on a cylinder head surface (92) of the cylinder crankcase (12) and the bearing surface (70) of the cylinder is provided with a thermal coating (74) up to a transition area with the inlet bevel (78).

**JP 06-159131** – describes how to obtain a new surface treatment technique capable of securing uniformity of a plated film, facilitating finishing process and accomplishing low-pollution surface treatment in lieu of Cr plating, in the case of the surface treatment method on a piston sliding surface of an aluminum alloy made engine cylinder and the product thereof.

**JP 03-037359** – describes how to prevent the peeling of plating when a fitted surface part is cut, by arranging a nonplated region at a specific part which is continuous to the fitted surface part onto which a cylinder head is fitted among the inside diameter part of a sleeve into which a piston is accommodated.

**JP 03-134251** – describes how to reduce unevenness of a film thickness with current density changed continuously and generation of turbulence eliminated in plating fluid by chamfering an end part between an internal part and a through hole with high density energy irradiated before a plating layer is formed in the internal part having the through hole.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of

**Complete if Known**

Application Number	
Filing Date	02/09/2004
First Named Inventor	Johann Holzleitner
Art Unit	
Examiner Name	
Attorney Docket Number	086166-0307638

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,050,547	September 24, 1991	Takahashi	
		US- 5,199,166	April 6, 1993	Torigai et al.	
		US- 5,315,970	May 31, 1994	Rao et al.	
		US- 5,358,753	October 25, 1994	Rao et al.	
		US- 5,806,481	September 15, 1998	Ikegaya	
		US- 5,909,721	June 8, 1999	Ikegaya	
		US- 5,934,239	August 10, 1999	Koriyama	
		US- 5,642,700	July 1, 1997	Ikegaya et al.	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		00/37789 WIPO	June 29, 2000	Schlegel et al.		
		03-134251 JP	June 7, 1991	Takahashi et al.		
		06-159131 JP	June 7, 1994	Inoguchi et al.		
		03-037359 JP	Feb. 18, 1991	Takahashi		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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